

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P06248PC00		FOR FURTHER ACTION See Form PCT/PEA/416	
International application No. PCT/SE 2003/002024	International filing date (day/month/year) 19.12.2003	Priority date (day/month/year) 20.12.2002	
International Patent Classification (IPC) or national classification and IPC A01J5/08 // C08J5/00, C08L21/00			
Applicant DELAVAL HOLDING AB et al.			
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>			
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>			
Date of submission of the demand 12.05.2004		Date of completion of this report 24.02.2005	
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 3055 S-102 43 STOCKHOLM		Authorized officer Magnus Thorén/EK	
Facsimile No. +46 8 667 72 88		Telephone No. +46 8 782 25 00	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE 2003/002024

Box No. 1 Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This report is based on a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of:

- ☐ international search (under Rules 12.3 and 23.1(b))
☐ publication of the international application (under Rule 12.4)
☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):*

☒ the international application as originally filed/furnished

☐ the description:

pages _____ as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

☐ the claims:

pages _____ as originally filed/furnished

pages* _____ as amended (together with any statement) under Article 19

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

☐ the drawings:

pages _____ as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages _____

☐ the claims, Nos. _____

☐ the drawings, sheets/figs _____

☐ the sequence listing (*specify*): _____

☐ any table(s) related to the sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

☐ the description, pages _____

☐ the claims, Nos. _____

☐ the drawings, sheets/figs _____

☐ the sequence listing (*specify*): _____

☐ any table(s) related to the sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2003/002024

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A01J 5/08 // C08J 5/00, C08L 21/00
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A01J, B29C, C08J, C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4059070 A (SIDALL ET AL), 22 November 1977 (22.11.1977), column 1, line 15 - line 59, figure 1 --	1,13-17, 21-24
A	US 3474760 A (D F SIDALL ET AL), 28 October 1969 (28.10.1969), column 5, line 7 - line 67, figure 1 --	1,21-24
A	WO 02053359 A1 (BAXTER INTERNATIONAL INC), 11 July 2002 (11.07.2002), claims 1-40 --	1-20
A	EP 1088855 A1 (MITSUI CHEMICALS, INC ET AL), 4 April 2001 (04.04.2001), page 46 - page 47; page 50; page 53, page 56, page 60 - 61 --	1-5,16-19

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "B" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
18 March 2004

Date of mailing of the international search report
19-03-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Magnus Thorén/EK
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/002024

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2343896 A (NORSK HYDRO ASA), 24 May 2000 (24.05.2000), page 7 - page 14, abstract --	1-5,16-19
A	US 3941859 A (BATIUK ET AL), 2 March 1976 (02.03.1976), column 5 - column 9, abstract --	1-5,16-19
A	GB 411860 B (FRANK BERNHARD DEHN), 13 June 1934 (13.06.1934), page 1 - page 2 -- -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

27/02/2004

International application No.

PCT/SE 2003/002024.

US	4059070	A	22/11/1977	BE	775922	A	16/03/1972
				US	3661120	A	09/05/1972
US	3474760	A	28/10/1969	BE	718881	A	31/12/1968
				DE	1782263	A	12/08/1971
				FR	1576762	A	01/08/1969
				GB	1171264	A	19/11/1969
				SE	346679	B	17/07/1972
WO	02053359	A1	11/07/2002	CA	2431989	A	11/07/2002
				EP	1353793	A	22/10/2003
				US	2002090476	A	11/07/2002
EP	1088855	A1	04/04/2001	CN	1296510	T	23/05/2001
				JP	2001049057	A	20/02/2001
				WO	0055251	A	21/09/2000
				JP	2001031815	A	06/02/2001
				JP	2001031816	A	06/02/2001
				JP	2001031807	A	06/02/2001
				JP	2001031789	A	06/02/2001
				JP	2001031808	A	06/02/2001
				JP	2001031809	A	06/02/2001
				JP	2001031810	A	06/02/2001
				JP	2001031811	A	06/02/2001
				JP	2001031812	A	06/02/2001
				JP	2001031802	A	06/02/2001
				JP	2001031813	A	06/02/2001
				JP	2001031814	A	06/02/2001
GB	2343896	A	24/05/2000	GB	9927333	D	00/00/0000
				NO	311435	B	26/11/2001
				NO	985363	A	19/05/2000
US	3941859	A	02/03/1976	DE	2543220	A	07/04/1977
				FR	2326445	A	29/04/1977
				GB	1524986	A	13/09/1978
				NL	7511719	A	12/04/1977
GB	411860	B	13/06/1934	NONE			